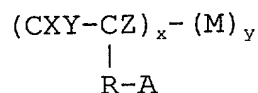


# CLAIMS

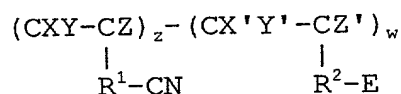
1. (Amended) A method for curing a fluorine-containing polymer having a structure of the formula:



wherein X, Y and Z represent independently each other a hydrogen atom, a fluorine atom, a chlorine atom, a bromine atom or an iodine atom, provided that at least one of X, Y and Z is a fluorine atom; R represents a straight or branched fluorinated alkylene group having 1 to 20 carbon atoms which may contain an oxygen atom; x and y represent mole percentages and x is from 1 to 100 % by mole; A is -CN, -NCO, -COOR' in which R' is a hydrogen atom or an alkyl group having 1 to 10 carbon atoms, an acid anhydride group or an unsaturated hydrocarbon group; and M is a repeating unit derived from a copolymerizable monomer comprising treating said polymer with ammonia and crosslinking said polymer through the side functional groups of said polymer.

2. The method according to claim 1, wherein said polymer cured is further heated at a temperature of at least 100°C.

3. A method for curing a fluorine-containing polymer having a structure of the formula:

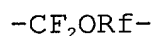


wherein X, Y, Z, X', Y' and Z' represent independently each other a hydrogen atom, a fluorine atom, a chlorine atom, a bromine atom or an iodine atom, provided that at least one of X, Y and Z is a fluorine atom; R<sup>1</sup> and R<sup>2</sup> represent

5 independently each other a straight or branched fluorinated alkylene group having 1 to 20 carbon atoms which may contain an oxygen atom; z and w represent mole percentages and z is from 1 to 100 % by mole; and E is an organic group other than -CN

10 comprising curing said polymer in the presence of a base.

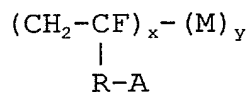
4. The method according to claim 3, wherein X and Y are hydrogen atoms, Z is a fluorine atom, and R1 is a group of the formula:



15 wherein Rf is a fluorinated alkylene group having 1 to 20 carbon atoms.

5. The method according to claim 3 or 4, wherein said polymer cured is further heated at a temperature of at least 100°C.

20 6. (New) A method for curing a fluorine-containing polymer having a structure of the formula:



25 wherein R is a group of the formula: -CF<sub>2</sub>ORf- in which Rf is a fluorinated alkylene group having 1 to 20 carbon atoms

which may contain an oxygen atom; x and y represent mole percentages and x is from 1 to 100 % by mole; A is -CN, -NCO, -COOR' in which R' is a hydrogen atom or an alkyl group having 1 to 10 carbon atoms, an acid anhydride group or an unsaturated hydrocarbon group; and M is a repeating unit derived from a copolymerizable monomer comprising treating said polymer with at least one compound selected from the group consisting of ammonia, diamines and polyol compounds and crosslinking said polymer through the side functional groups of said polymer.

7. (New) The method according to claim 6, wherein said polymer cured is further heated at a temperature of at least 100°C.